

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 2. (canceled)

3. (presently amended) A method comprising:

selecting a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, wherein the FHC defines a sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

4. (original) The method of claim 3, wherein selecting a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

selecting a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

5. (original) The method of claim 3, further comprising:

encoding a communication to transmit using the selected FHC.

6. (original) The method of claim 3, further comprising:

decoding a communication received using the selected FHC.

7. – 8. (canceled)

9. (presently amended) An electronic appliance, comprising:

one or more dipole antenna(e);

one or more transceiver(s), coupled with the one or more dipole antenna(e), to communicate with other devices; and

a hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, wherein the FHC defines a sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

10. (original) The electronic appliance of claim 9, wherein the hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

the hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

11. (original) The electronic appliance of claim 9, further comprising:

the hopping code engine to encode a communication to transmit using the selected FHC.

12. (original) The electronic appliance of claim 9, further comprising:

the hopping code engine to decode a communication received using the selected FHC.

13. – 14. (canceled)

15. (presently amended) A storage medium comprising content which, when executed by the accessing machine, causes the accessing machine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, wherein the FHC defines a sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

16. (original) The storage medium of claim 15, wherein the content to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises content which, when executed by the accessing machine, causes the accessing machine to select a frequency hopping code (FHC) from a set of predetermined FHC's for

communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

17. (original) The storage medium of claim 15, further comprising content which, when executed by the accessing machine, causes the accessing machine to encode a communication to transmit using the selected FHC.

18. (original) The storage medium of claim 15, further comprising content which, when executed by the accessing machine, causes the accessing machine to decode a communication received using the selected FHC.

19. – 20. (canceled)

21. (presently amended) An apparatus, comprising:

one or more dipole antenna(e);

one or more transceiver(s), coupled with the dipole antenna(e), to communicate with other devices; and

control logic coupled with the transceiver(s), the control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, wherein the FHC defines a sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

22. (original) The apparatus of claim 21, wherein the control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

23. (original) The apparatus of claim 21, further comprising:

control logic to encode a communication to transmit using the selected FHC.

24. (original) The apparatus of claim 21, further comprising:

control logic to decode a communication received using the selected FHC.

25. (previously presented) The method of claim 3, wherein selecting a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

selecting a frequency hopping code (FHC) that is able to decode a beacon signal.

26. (previously presented) The electronic appliance of claim 9, wherein the hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

the hopping code engine to select a frequency hopping code (FHC) that is able to decode a beacon signal.

27. (previously presented) The storage medium of claim 15, wherein the content to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises content which, when executed by the accessing machine, causes the accessing machine to select a frequency hopping code (FHC) based at least in part on avoiding active frequencies.

28. (previously presented) The apparatus of claim 21, wherein the control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

control logic to select a frequency hopping code (FHC) based at least in part on avoiding active frequencies.